

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/661,156  
Source: 1 Fwo  
Date Processed by STIC: 1/4/05

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/661,156

CRF Edit Date: 1/6/05  
Edited by: sr

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

✓ \_\_\_ Other: inserted hard return after C2207 - segs. 4, 5,  
260, 380

\_\_\_\_\_



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/661,156

DATE: 01/06/2005

TIME: 17:25:22

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01062005\J661156.raw

3 <110> APPLICANT: Sato, Aaron K.  
4 Sexton, Daniel J.  
5 Dransfield, Daniel T.  
6 Ladner, Robert C.  
7 Arbogast, Christophe  
8 Bussat, Philippe  
9 Fan, Hong  
10 Khurana, Sudha  
11 Linder, Karen E.  
12 Marinelli, Edmund R.  
13 Nanjappan, Palaniappa  
14 Nunn, Adrian  
15 Pillai, Radhakrishna  
16 Pochon, Sibylle  
17 Ramalingam, Kondareddiar  
18 Shrivastava, Ajay  
19 Song, Bo  
20 Swenson, Rolf E.  
21 Von Wronski, Mathew A.  
23 <120> TITLE OF INVENTION: KDR and VEGF/KDR Binding Peptides and  
24 Their Use in Diagnosis and Therapy  
26 <130> FILE REFERENCE: D0617.70012US00  
28 <140> CURRENT APPLICATION NUMBER: US 10/661,156  
29 <141> CURRENT FILING DATE: 2003-09-11  
31 <150> PRIOR APPLICATION NUMBER: US 10/382,082  
32 <151> PRIOR FILING DATE: 2003-03-03  
34 <150> PRIOR APPLICATION NUMBER: PCT/US03/06731  
35 <151> PRIOR FILING DATE: 2003-03-03  
37 <150> PRIOR APPLICATION NUMBER: US 60/440,411  
38 <151> PRIOR FILING DATE: 2003-01-15  
40 <150> PRIOR APPLICATION NUMBER: US 60/360,851  
41 <151> PRIOR FILING DATE: 2002-03-01  
43 <160> NUMBER OF SEQ ID NOS: 617  
45 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
48 <210> SEQ ID NO: 1  
49 <211> LENGTH: 19  
50 <212> TYPE: PRT  
51 <213> ORGANISM: Artificial Sequence  
53 <220> FEATURE:  
55 <223> OTHER INFORMATION: KDR or VEGF/KDR-Binding Consensus Sequence 5  
57 <220> FEATURE:  
58 <221> NAME/KEY: VARIANT  
59 <222> LOCATION: (1)...(1)

P.6

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/661,156

DATE: 01/06/2005

TIME: 17:25:22

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01062005\J661156.raw

60 <223> OTHER INFORMATION: Xaa = Arg, Glu, His, Ser or Trp  
62 <220> FEATURE:  
63 <221> NAME/KEY: VARIANT  
64 <222> LOCATION: (2)...(2)  
65 <223> OTHER INFORMATION: Xaa = Asn, Asp, Leu, Phe, Thr or Val  
67 <220> FEATURE:  
68 <221> NAME/KEY: VARIANT  
69 <222> LOCATION: (3)...(3)  
70 <223> OTHER INFORMATION: Xaa = Arg, Asp, Glu, His, Lys or Thr  
72 <220> FEATURE:  
73 <221> NAME/KEY: VARIANT  
74 <222> LOCATION: (5)...(5)  
75 <223> OTHER INFORMATION: Xaa = Asp, Glu, His or Thr  
77 <220> FEATURE:  
78 <221> NAME/KEY: VARIANT  
79 <222> LOCATION: (6)...(6)  
80 <223> OTHER INFORMATION: Xaa = Arg, His, Lys or Phe  
82 <220> FEATURE:  
83 <221> NAME/KEY: VARIANT  
84 <222> LOCATION: (7)...(7)  
85 <223> OTHER INFORMATION: Xaa = Gln, Ile, Lys, Tyr or Val  
87 <220> FEATURE:  
88 <221> NAME/KEY: VARIANT  
89 <222> LOCATION: (8)...(8)  
90 <223> OTHER INFORMATION: Xaa = Gln, Ile, Leu, Met or Phe  
92 <220> FEATURE:  
93 <221> NAME/KEY: VARIANT  
94 <222> LOCATION: (12)...(12)  
95 <223> OTHER INFORMATION: Xaa = Asn, Asp, Gly, His or Tyr  
97 <220> FEATURE:  
98 <221> NAME/KEY: VARIANT  
99 <222> LOCATION: (13)...(13)  
100 <223> OTHER INFORMATION: Xaa = Gln, Gly, Ser or Thr  
102 <220> FEATURE:  
103 <221> NAME/KEY: VARIANT  
104 <222> LOCATION: (14)...(14)  
105 <223> OTHER INFORMATION: Xaa = Glu, Lys, Phe or Ser  
107 <220> FEATURE:  
108 <221> NAME/KEY: VARIANT  
109 <222> LOCATION: (15)...(15)  
110 <223> OTHER INFORMATION: Xaa = Glu, Ile, Ser or Val  
112 <220> FEATURE:  
113 <221> NAME/KEY: VARIANT  
114 <222> LOCATION: (17)...(17)  
115 <223> OTHER INFORMATION: Xaa = Glu, Gly, Lys, Phe, Ser or Val  
117 <220> FEATURE:  
118 <221> NAME/KEY: VARIANT  
119 <222> LOCATION: (18)...(18)  
120 <223> OTHER INFORMATION: Xaa = Arg, Asn, Ser or Tyr

## RAW SEQUENCE LISTING

DATE: 01/06/2005

PATENT APPLICATION: US/10/661,156

TIME: 17:25:22

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01062005\J661156.raw

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122 <220> FEATURE:
123 <221> NAME/KEY: VARIANT
124 <222> LOCATION: (19)...(19)
125 <223> OTHER INFORMATION: Xaa = Asp, Gln, Glu, Gly, Met or Tyr
127 <400> SEQUENCE: 1
W--> 128 Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Ser Gly Pro Xaa Xaa Xaa Xaa Cys
      129 1 5 10 15
130 Xaa Xaa Xaa
134 <210> SEQ ID NO: 2
135 <211> LENGTH: 14
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
141 <223> OTHER INFORMATION: KDR or VEGF/KDR-Binding Consensus Sequence 7
143 <220> FEATURE:
144 <221> NAME/KEY: VARIANT
145 <222> LOCATION: (5)...(5)
146 <223> OTHER INFORMATION: Xaa = Asp, Gln or His
148 <220> FEATURE:
149 <221> NAME/KEY: VARIANT
150 <222> LOCATION: (6)...(6)
151 <223> OTHER INFORMATION: Xaa = His or Tyr (preferably Tyr)
153 <220> FEATURE:
154 <221> NAME/KEY: VARIANT
155 <222> LOCATION: (7)...(7)
156 <223> OTHER INFORMATION: Xaa = Ile, His or Tyr
158 <220> FEATURE:
159 <221> NAME/KEY: VARIANT
160 <222> LOCATION: (9)...(9)
161 <223> OTHER INFORMATION: Xaa = Ile, Met or Val
163 <220> FEATURE:
164 <221> NAME/KEY: VARIANT
165 <222> LOCATION: (10)...(10)
166 <223> OTHER INFORMATION: Xaa = Gly or Tyr
168 <220> FEATURE:
169 <221> NAME/KEY: VARIANT
170 <222> LOCATION: (12)...(12)
171 <223> OTHER INFORMATION: Xaa = Asp, Lys or Pro
173 <220> FEATURE:
174 <221> NAME/KEY: VARIANT
175 <222> LOCATION: (13)...(13)
176 <223> OTHER INFORMATION: Xaa = Gln, Gly or Trp
178 <220> FEATURE:
179 <221> NAME/KEY: VARIANT
180 <222> LOCATION: (14)...(14)
181 <223> OTHER INFORMATION: Xaa = Phe, Ser or Thr
183 <400> SEQUENCE: 2
W--> 184 Trp Tyr Trp Cys Xaa Xaa Xaa Gly Xaa Xaa Cys Xaa Xaa Xaa
      185 1 5 10

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## RAW SEQUENCE LISTING

DATE: 01/06/2005

PATENT APPLICATION: US/10/661,156

TIME: 17:25:22

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01062005\J661156.raw

187 <210> SEQ ID NO: 3  
188 <211> LENGTH: 17  
189 <212> TYPE: PRT  
190 <213> ORGANISM: Artificial Sequence  
192 <220> FEATURE:  
194 <223> OTHER INFORMATION: KDR or VEGF/KDR-Binding Consensus Sequence 9  
196 <220> FEATURE:  
197 <221> NAME/KEY: VARIANT  
198 <222> LOCATION: (1)...(1)  
199 <223> OTHER INFORMATION: Xaa = Ser, Phe, Trp, Tyr or Gly  
201 <220> FEATURE:  
202 <221> NAME/KEY: VARIANT  
203 <222> LOCATION: (2)...(2)  
204 <223> OTHER INFORMATION: Xaa = Arg, Gly, Ser or Trp  
206 <220> FEATURE:  
207 <221> NAME/KEY: VARIANT  
208 <222> LOCATION: (3)...(3)  
209 <223> OTHER INFORMATION: Xaa = Ala, Glu, Ile or Val  
211 <220> FEATURE:  
212 <221> NAME/KEY: VARIANT  
213 <222> LOCATION: (5)...(5)  
214 <223> OTHER INFORMATION: Xaa = Ala, Phe or Trp  
216 <220> FEATURE:  
217 <221> NAME/KEY: VARIANT  
218 <222> LOCATION: (6)...(6)  
219 <223> OTHER INFORMATION: Xaa = Glu or Lys  
221 <220> FEATURE:  
222 <221> NAME/KEY: VARIANT  
223 <222> LOCATION: (7)...(7)  
224 <223> OTHER INFORMATION: Xaa = Asp, Ser, Trp or Tyr  
226 <220> FEATURE:  
227 <221> NAME/KEY: VARIANT  
228 <222> LOCATION: (8)...(8)  
229 <223> OTHER INFORMATION: Xaa = Phe, Pro or Ser  
231 <220> FEATURE:  
232 <221> NAME/KEY: VARIANT  
233 <222> LOCATION: (12)...(12)  
234 <223> OTHER INFORMATION: Xaa = Gln or Glu  
236 <220> FEATURE:  
237 <221> NAME/KEY: VARIANT  
238 <222> LOCATION: (13)...(13)  
239 <223> OTHER INFORMATION: Xaa = Ile, Phe or Val  
241 <220> FEATURE:  
242 <221> NAME/KEY: VARIANT  
243 <222> LOCATION: (15)...(15)  
244 <223> OTHER INFORMATION: Xaa = Gln, Ile, Leu, Phe or Tyr  
246 <220> FEATURE:  
247 <221> NAME/KEY: VARIANT  
248 <222> LOCATION: (16)...(16)

## RAW SEQUENCE LISTING

DATE: 01/06/2005

PATENT APPLICATION: US/10/661,156

TIME: 17:25:22

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01062005\J661156.raw

249 <223> OTHER INFORMATION: Xaa = Arg, Gly or Pro  
 251 <220> FEATURE:  
 252 <221> NAME/KEY: VARIANT  
 253 <222> LOCATION: (17)...(17)  
 254 <223> OTHER INFORMATION: Xaa = Gln, His, Phe, Ser, Tyr or Val  
 256 <400> SEQUENCE: 3  
 W--> 257 Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Trp Gly Gly Xaa Xaa Cys Xaa Xaa  
 258 1 5 10 15  
 259 Xaa  
 263 <210> SEQ ID NO: 4  
 264 <211> LENGTH: 18  
 265 <212> TYPE: PRT  
 266 <213> ORGANISM: Artificial Sequence  
 268 <220> FEATURE:  
 270 <223> OTHER INFORMATION: KDR or VEGF/KDR-Binding Consensus Sequence 10  
 272 <220> FEATURE:  
 273 <221> NAME/KEY: VARIANT  
 274 <222> LOCATION: (3)...(3)  
 275 <223> OTHER INFORMATION: Xaa = Gly or Trp  
 277 <220> FEATURE:  
 278 <221> NAME/KEY: VARIANT  
 279 <222> LOCATION: (5)...(5)  
 280 <223> OTHER INFORMATION: Xaa = His or Tyr  
 282 <220> FEATURE:  
 283 <221> NAME/KEY: VARIANT  
 284 <222> LOCATION: (7)...(7)  
 285 <223> OTHER INFORMATION: Xaa = His, Leu or Thr  
 287 <220> FEATURE:  
 288 <221> NAME/KEY: VARIANT  
 289 <222> LOCATION: (9)...(9)  
 290 <223> OTHER INFORMATION: Xaa = Asp or Leu  
 292 <220> FEATURE:  
 293 <221> NAME/KEY: VARIANT  
 294 <222> LOCATION: (11)...(11)  
 295 <223> OTHER INFORMATION: Xaa = Gly or Val  
 297 <220> FEATURE:  
 298 <221> NAME/KEY: VARIANT  
 299 <222> LOCATION: (12)...(12)  
 300 <223> OTHER INFORMATION: Xaa = Thr or Val  
 302 <220> FEATURE:  
 303 <221> NAME/KEY: VARIANT  
 304 <222> LOCATION: (13)...(13)  
 305 <223> OTHER INFORMATION: Xaa = Arg or Trp  
 307 <220> FEATURE:  
 308 <221> NAME/KEY: VARIANT  
 309 <222> LOCATION: (16)...(16)  
 310 <223> OTHER INFORMATION: Xaa = Ala or Val  
 312 <220> FEATURE:  
 313 <221> NAME/KEY: VARIANT

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/661,156

DATE: 01/06/2005  
TIME: 17:25:23

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\01062005\J661156.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,5,6,7,8,12,13,14,15,17,18,19  
Seq#:2; Xaa Pos. 5,6,7,9,10,12,13,14  
Seq#:3; Xaa Pos. 1,2,3,5,6,7,8,12,13,15,16,17  
Seq#:4; Xaa Pos. 3,5,7,9,11,12,13,16,17,18  
Seq#:5; Xaa Pos. 1,2,3,5,6,7,8,9,10,12,14,16,17,18  
Seq#:6; Xaa Pos. 3,5,6,7,8,9,10,11,12,13,14,16,17,18  
Seq#:7; Xaa Pos. 1,2,3,7,8,9  
Seq#:13; Xaa Pos. 2,3,4,5,9,10,11,12  
Seq#:14; Xaa Pos. 2,3,4,5,9,10  
Seq#:15; Xaa Pos. 2,4,6,8,9,10  
Seq#:16; Xaa Pos. 2,3,4,5,6,7,9,11  
Seq#:17; Xaa Pos. 2,3,4,5,9,10,11,12  
Seq#:19; Xaa Pos. 1,2,3,5,6,7,8,12,13,14,15,17,18,19  
Seq#:260; Xaa Pos. 5,6,7,10,12,13,14  
Seq#:261; Xaa Pos. 1,2,7,8,9,12,14,15,16,17,18  
Seq#:380; Xaa Pos. 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20  
Seq#:455; Xaa Pos. 6  
Seq#:456; Xaa Pos. 13



## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/661,156

DATE: 01/06/2005

TIME: 17:25:23

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01062005\J661156.raw

L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
M:341 Repeated in SeqNo=3  
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
M:341 Repeated in SeqNo=4  
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
M:341 Repeated in SeqNo=5  
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
M:341 Repeated in SeqNo=6  
L:539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:561 M:283 W: Missing Blank Line separator, <220> field identifier  
L:662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:871 M:283 W: Missing Blank Line separator, <400> field identifier  
L:956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
M:341 Repeated in SeqNo=19  
L:4622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260 after pos.:0  
L:4654 M:283 W: Missing Blank Line separator, <220> field identifier  
L:4665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:261 after pos.:0  
M:341 Repeated in SeqNo=261  
L:6484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:380 after pos.:0  
M:341 Repeated in SeqNo=380  
L:7656 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:7660 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:455  
L:7661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:455 after pos.:0  
L:7676 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:7680 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:456  
L:7681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:456 after pos.:0  
L:8251 M:283 W: Missing Blank Line separator, <220> field identifier



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/661,156

DATE: 01/04/2005

TIME: 13:02:45

Input Set : A:\D0617.70012US00seq.txt

Output Set: N:\CRF4\01042005\J661156.raw

3 <110> APPLICANT: Sato, Aaron K.  
 4 Sexton, Daniel J.  
 5 Dransfield, Daniel T.  
 6 Ladner, Robert C.  
 7 Arbogast, Christophe  
 8 Bussat, Philippe  
 9 Fan, Hong  
 10 Khurana, Sudha  
 11 Linder, Karen E.  
 12 Marinelli, Edmund R.  
 13 Nanjappan, Palaniappa  
 14 Nunn, Adrian  
 15 Pillai, Radhakrishna  
 16 Pochon, Sibylle  
 17 Ramalingam, Kondareddiar  
 18 Shrivastava, Ajay  
 19 Song, Bo  
 20 Swenson, Rolf E.  
 21 Von Wronski, Mathew A.  
 23 <120> TITLE OF INVENTION: KDR and VEGF/KDR Binding Peptides and  
 24 Their Use in Diagnosis and Therapy  
 26 <130> FILE REFERENCE: D0617.70012US00  
 28 <140> CURRENT APPLICATION NUMBER: US 10/661,156  
 29 <141> CURRENT FILING DATE: 2003-09-11  
 31 <150> PRIOR APPLICATION NUMBER: US 10/382,082  
 32 <151> PRIOR FILING DATE: 2003-03-03  
 34 <150> PRIOR APPLICATION NUMBER: PCT/US03/06731  
 35 <151> PRIOR FILING DATE: 2003-03-03  
 37 <150> PRIOR APPLICATION NUMBER: US 60/440,411  
 38 <151> PRIOR FILING DATE: 2003-01-15  
 40 <150> PRIOR APPLICATION NUMBER: US 60/360,851  
 41 <151> PRIOR FILING DATE: 2002-03-01  
 43 <160> NUMBER OF SEQ ID NOS: 617  
 45 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 48 <210> SEQ ID NO: 1  
 49 <211> LENGTH: 19  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 55 <223> OTHER INFORMATION: KDR or VEGF/KDR-Binding Consensus Sequence 5  
 57 <220> FEATURE:  
 58 <221> NAME/KEY: VARIANT  
 59 <222> LOCATION: (1)...(1)

Does Not Comply  
Corrected Diskette Needed

8.5

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/661,156

DATE: 01/04/2005

TIME: 13:02:45

Input Set : A:\D0617.70012US00seq.txt

Output Set: N:\CRF4\01042005\J661156.raw

60 <223> OTHER INFORMATION: Xaa = Arg, Glu, His, Ser or Trp  
62 <220> FEATURE:  
63 <221> NAME/KEY: VARIANT  
64 <222> LOCATION: (2)...(2)  
65 <223> OTHER INFORMATION: Xaa = Asn, Asp, Leu, Phe, Thr or Val  
67 <220> FEATURE:  
68 <221> NAME/KEY: VARIANT  
69 <222> LOCATION: (3)...(3)  
70 <223> OTHER INFORMATION: Xaa = Arg, Asp, Glu, His, Lys or Thr  
72 <220> FEATURE:  
73 <221> NAME/KEY: VARIANT  
74 <222> LOCATION: (5)...(5)  
75 <223> OTHER INFORMATION: Xaa = Asp, Glu, His or Thr  
77 <220> FEATURE:  
78 <221> NAME/KEY: VARIANT  
79 <222> LOCATION: (6)...(6)  
80 <223> OTHER INFORMATION: Xaa = Arg, His, Lys or Phe  
82 <220> FEATURE:  
83 <221> NAME/KEY: VARIANT  
84 <222> LOCATION: (7)...(7)  
85 <223> OTHER INFORMATION: Xaa = Gln, Ile, Lys, Tyr or Val  
87 <220> FEATURE:  
88 <221> NAME/KEY: VARIANT  
89 <222> LOCATION: (8)...(8)  
90 <223> OTHER INFORMATION: Xaa = Gln, Ile, Leu, Met or Phe  
92 <220> FEATURE:  
93 <221> NAME/KEY: VARIANT  
94 <222> LOCATION: (12)...(12)  
95 <223> OTHER INFORMATION: Xaa = Asn, Asp, Gly, His or Tyr  
97 <220> FEATURE:  
98 <221> NAME/KEY: VARIANT  
99 <222> LOCATION: (13)...(13)  
100 <223> OTHER INFORMATION: Xaa = Gln, Gly, Ser or Thr  
102 <220> FEATURE:  
103 <221> NAME/KEY: VARIANT  
104 <222> LOCATION: (14)...(14)  
105 <223> OTHER INFORMATION: Xaa = Glu, Lys, Phe or Ser  
107 <220> FEATURE:  
108 <221> NAME/KEY: VARIANT  
109 <222> LOCATION: (15)...(15)  
110 <223> OTHER INFORMATION: Xaa = Glu, Ile, Ser or Val  
112 <220> FEATURE:  
113 <221> NAME/KEY: VARIANT  
114 <222> LOCATION: (17)...(17)  
115 <223> OTHER INFORMATION: Xaa = Glu, Gly, Lys, Phe, Ser or Val  
117 <220> FEATURE:  
118 <221> NAME/KEY: VARIANT  
119 <222> LOCATION: (18)...(18)  
120 <223> OTHER INFORMATION: Xaa = Arg, Asn, Ser or Tyr

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/661,156

DATE: 01/04/2005

TIME: 13:02:45

Input Set : A:\D0617.70012US00seq.txt

Output Set: N:\CRF4\01042005\J661156.raw

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122 <220> FEATURE:
123 <221> NAME/KEY: VARIANT
124 <222> LOCATION: (19)...(19)
125 <223> OTHER INFORMATION: Xaa = Asp, Gln, Glu, Gly, Met or Tyr
127 <400> SEQUENCE: 1
W--> 128 Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Ser Gly Pro Xaa Xaa Xaa Xaa Cys
      129 1 5 10 15
130 Xaa Xaa Xaa
134 <210> SEQ ID NO: 2
135 <211> LENGTH: 14
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
141 <223> OTHER INFORMATION: KDR or VEGF/KDR-Binding Consensus Sequence 7
143 <220> FEATURE:
144 <221> NAME/KEY: VARIANT
145 <222> LOCATION: (5)...(5)
146 <223> OTHER INFORMATION: Xaa = Asp, Gln or His
148 <220> FEATURE:
149 <221> NAME/KEY: VARIANT
150 <222> LOCATION: (6)...(6)
151 <223> OTHER INFORMATION: Xaa = His or Tyr (preferably Tyr)
153 <220> FEATURE:
154 <221> NAME/KEY: VARIANT
155 <222> LOCATION: (7)...(7)
156 <223> OTHER INFORMATION: Xaa = Ile, His or Tyr
158 <220> FEATURE:
159 <221> NAME/KEY: VARIANT
160 <222> LOCATION: (9)...(9)
161 <223> OTHER INFORMATION: Xaa = Ile, Met or Val
163 <220> FEATURE:
164 <221> NAME/KEY: VARIANT
165 <222> LOCATION: (10)...(10)
166 <223> OTHER INFORMATION: Xaa = Gly or Tyr
168 <220> FEATURE:
169 <221> NAME/KEY: VARIANT
170 <222> LOCATION: (12)...(12)
171 <223> OTHER INFORMATION: Xaa = Asp, Lys or Pro
173 <220> FEATURE:
174 <221> NAME/KEY: VARIANT
175 <222> LOCATION: (13)...(13)
176 <223> OTHER INFORMATION: Xaa = Gln, Gly or Trp
178 <220> FEATURE:
179 <221> NAME/KEY: VARIANT
180 <222> LOCATION: (14)...(14)
181 <223> OTHER INFORMATION: Xaa = Phe, Ser or Thr
183 <400> SEQUENCE: 2
W--> 184 Trp Tyr Trp Cys Xaa Xaa Xaa Gly Xaa Xaa Cys Xaa Xaa Xaa
      185 1 5 10

```

## RAW SEQUENCE LISTING

DATE: 01/04/2005

PATENT APPLICATION: US/10/661,156

TIME: 13:02:45

Input Set : A:\D0617.70012US00seq.txt

Output Set: N:\CRF4\01042005\J661156.raw

187 <210> SEQ ID NO: 3  
188 <211> LENGTH: 17  
189 <212> TYPE: PRT  
190 <213> ORGANISM: Artificial Sequence  
192 <220> FEATURE:  
194 <223> OTHER INFORMATION: KDR or VEGF/KDR-Binding Consensus Sequence 9  
196 <220> FEATURE:  
197 <221> NAME/KEY: VARIANT  
198 <222> LOCATION: (1)...(1)  
199 <223> OTHER INFORMATION: Xaa = Ser, Phe, Trp, Tyr or Gly  
201 <220> FEATURE:  
202 <221> NAME/KEY: VARIANT  
203 <222> LOCATION: (2)...(2)  
204 <223> OTHER INFORMATION: Xaa = Arg, Gly, Ser or Trp  
206 <220> FEATURE:  
207 <221> NAME/KEY: VARIANT  
208 <222> LOCATION: (3)...(3)  
209 <223> OTHER INFORMATION: Xaa = Ala, Glu, Ile or Val  
211 <220> FEATURE:  
212 <221> NAME/KEY: VARIANT  
213 <222> LOCATION: (5)...(5)  
214 <223> OTHER INFORMATION: Xaa = Ala, Phe or Trp  
216 <220> FEATURE:  
217 <221> NAME/KEY: VARIANT  
218 <222> LOCATION: (6)...(6)  
219 <223> OTHER INFORMATION: Xaa = Glu or Lys  
221 <220> FEATURE:  
222 <221> NAME/KEY: VARIANT  
223 <222> LOCATION: (7)...(7)  
224 <223> OTHER INFORMATION: Xaa = Asp, Ser, Trp or Tyr  
226 <220> FEATURE:  
227 <221> NAME/KEY: VARIANT  
228 <222> LOCATION: (8)...(8)  
229 <223> OTHER INFORMATION: Xaa = Phe, Pro or Ser  
231 <220> FEATURE:  
232 <221> NAME/KEY: VARIANT  
233 <222> LOCATION: (12)...(12)  
234 <223> OTHER INFORMATION: Xaa = Gln or Glu  
236 <220> FEATURE:  
237 <221> NAME/KEY: VARIANT  
238 <222> LOCATION: (13)...(13)  
239 <223> OTHER INFORMATION: Xaa = Ile, Phe or Val  
241 <220> FEATURE:  
242 <221> NAME/KEY: VARIANT  
243 <222> LOCATION: (15)...(15)  
244 <223> OTHER INFORMATION: Xaa = Gln, Ile, Leu, Phe or Tyr  
246 <220> FEATURE:  
247 <221> NAME/KEY: VARIANT  
248 <222> LOCATION: (16)...(16)

## RAW SEQUENCE LISTING

DATE: 01/04/2005

PATENT APPLICATION: US/10/661,156

TIME: 13:02:45

Input Set : A:\D0617.70012US00seq.txt

Output Set: N:\CRF4\01042005\J661156.raw

249 <223> OTHER INFORMATION: Xaa = Arg, Gly or Pro  
 251 <220> FEATURE:  
 252 <221> NAME/KEY: VARIANT  
 253 <222> LOCATION: (17)...(17)  
 254 <223> OTHER INFORMATION: Xaa = Gln, His, Phe, Ser, Tyr or Val  
 256 <400> SEQUENCE: 3  
 W--> 257 Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Trp Gly Gly Xaa Xaa Cys Xaa Xaa  
 258 1 5 10 15  
 259 Xaa  
 263 <210> SEQ ID NO: 4  
 264 <211> LENGTH: 18  
 265 <212> TYPE: PRT  
 266 <213> ORGANISM: Artificial Sequence  
 268 <220> FEATURE:  
 270 <223> OTHER INFORMATION: KDR or VEGF/KDR-Binding Consensus Sequence 10  
 272 <220> FEATURE:  
 273 <221> NAME/KEY: VARIANT  
 274 <222> LOCATION: (3)...(3)  
 275 <223> OTHER INFORMATION: Xaa = Gly or Trp  
 W--> 277 <220> FEATURE: <221> VARIANT *insert a hard return*  
 278 <222> LOCATION: (5)...(5)  
 279 <223> OTHER INFORMATION: Xaa = His or Tyr  
 W--> 281 <220> FEATURE:  
 282 <221> NAME/KEY: VARIANT  
 283 <222> LOCATION: (7)...(7)  
 284 <223> OTHER INFORMATION: Xaa = His, Leu or Thr  
 W--> 286 <220> FEATURE:  
 287 <221> NAME/KEY: VARIANT  
 288 <222> LOCATION: (9)...(9)  
 289 <223> OTHER INFORMATION: Xaa = Asp or Leu  
 W--> 291 <220> FEATURE:  
 292 <221> NAME/KEY: VARIANT  
 293 <222> LOCATION: (11)...(11)  
 294 <223> OTHER INFORMATION: Xaa = Gly or Val  
 W--> 296 <220> FEATURE:  
 297 <221> NAME/KEY: VARIANT  
 298 <222> LOCATION: (12)...(12)  
 299 <223> OTHER INFORMATION: Xaa = Thr or Val  
 W--> 301 <220> FEATURE:  
 302 <221> NAME/KEY: VARIANT  
 303 <222> LOCATION: (13)...(13)  
 304 <223> OTHER INFORMATION: Xaa = Arg or Trp  
 W--> 306 <220> FEATURE:  
 307 <221> NAME/KEY: VARIANT  
 308 <222> LOCATION: (16)...(16)  
 309 <223> OTHER INFORMATION: Xaa = Ala or Val  
 W--> 311 <220> FEATURE:  
 312 <221> NAME/KEY: VARIANT  
 313 <222> LOCATION: (17)...(17)

*(please  
 edit  
 all sequences  
 showing this  
 error)*

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/661,156

DATE: 01/04/2005  
TIME: 13:02:46

Input Set : A:\D0617.70012US00seq.txt  
Output Set: N:\CRF4\01042005\J661156.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,5,6,7,8,12,13,14,15,17,18,19  
Seq#:2; Xaa Pos. 5,6,7,9,10,12,13,14  
Seq#:3; Xaa Pos. 1,2,3,5,6,7,8,12,13,15,16,17  
Seq#:4; Xaa Pos. 3,5,7,9,11,12,13,16,17,18  
Seq#:5; Xaa Pos. 1,2,3,5,6,7,8,9,10,12,14,16,17,18  
Seq#:6; Xaa Pos. 3,5,6,7,8,9,10,11,12,13,14,16,17,18  
Seq#:7; Xaa Pos. 1,2,3,7,8,9  
Seq#:13; Xaa Pos. 2,3,4,5,9,10,11,12  
Seq#:14; Xaa Pos. 2,3,4,5,9,10  
Seq#:15; Xaa Pos. 2,4,6,8,9,10  
Seq#:16; Xaa Pos. 2,3,4,5,6,7,9,11  
Seq#:17; Xaa Pos. 2,3,4,5,9,10,11,12  
Seq#:19; Xaa Pos. 1,2,3,5,6,7,8,12,13,14,15,17,18,19  
Seq#:260; Xaa Pos. 5,6,7,10,12,13,14  
Seq#:261; Xaa Pos. 1,2,7,8,9,12,14,15,16,17,18  
Seq#:380; Xaa Pos. 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20  
Seq#:455; Xaa Pos. 6  
Seq#:456; Xaa Pos. 13

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/661,156

DATE: 01/04/2005

TIME: 13:02:46

Input Set : A:\D0617.70012US00seq.txt

Output Set: N:\CRF4\01042005\J661156.raw

L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
 M:341 Repeated in SeqNo=1  
 L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
 L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
 M:341 Repeated in SeqNo=3  
 L:277 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
 L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
 M:341 Repeated in SeqNo=4  
 L:342 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
 L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
 M:341 Repeated in SeqNo=5  
 L:493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
 M:341 Repeated in SeqNo=6  
 L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
 L:559 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
 L:704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
 L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
 L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
 L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
 L:869 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
 M:341 Repeated in SeqNo=19  
 L:4599 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
 L:4619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260 after pos.:0  
 L:4651 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:4662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:261 after pos.:0  
 M:341 Repeated in SeqNo=261  
 L:6474 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
 L:6480 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:380  
 L:6480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:380 after pos.:0  
 M:341 Repeated in SeqNo=380  
 L:7652 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:7656 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:455  
 L:7657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:455 after pos.:0  
 L:7672 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
 L:7676 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:456  
 L:7677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:456 after pos.:0  
 L:8247 M:283 W: Missing Blank Line separator, <220> field identifier